	Application No.	Applicant(s)
	10/640 436	HOLLET AL
Notice of Allowability	10/649,436 Examiner	HSU ET AL. Art Unit
	Dan Millians	
	Don Williams	2878
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. ☑ This communication is responsive to <u>26 March 2006</u> .		
2. The allowed claim(s) is/are 1,4-24 and 27-31.		
 Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application	n No
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftsperson (b) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the 	on's Patent Drawing Review Amendment / Comment or 84(c)) should be written on th	in the Office action of e drawings in the front (not the back) of
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT F	sit of BIOLOGICAL MATE FOR THE DEPOSIT OF BIO	RIAL must be submitted. Note the LOGICAL MATERIAL.
Attachment(s) 1. Notice of References Cited (PTO-892)	5 Notice of Inf	ormal Patent Application (PTO-152)
Notice of Neterences Cited (PTO-932) Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 💢 Interview Su Paper No.//	mmary (PTO-413), Mail Date
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08	8), 7. ⊠ Examiner's <i>i</i>	Amendment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛭 Examiner's	Statement of Reasons for Allowance
	9.	Georgia Epps Supervisory Patent Examiner

U.S. Patent and Trademark Office PTOL-37 (Rev. 7-05)

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with attorney Daniel McClure on Thursday, June 8, 2006.

In claim 20, line 1, "semiconductorsubstrate" replaced with --semiconductor substrate--.

Claims 1, 4-24, and 27-31 allowed.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: The prior art fails to teach either singly or in combination an image sensor with the size of each microlens increasing as the distance between the microlens to a chip center regarding claim (1) and claim (24); the distance between a center of the microlens and a center of the corresponding sensing area being a function of the distance between the corresponding sensing area to a chip center regarding claim (12) and claim (20).

Application/Control Number: 10/649,436 Page 3

Art Unit: 2878

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Don Williams whose telephone number is 571-272-8538. The examiner can normally be reached on 8:30a.m. to 5:30a.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Epps can be reached on 571-272-2328. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Georgia Eppo Supervisory Patent Examiner Supervisory Patent 2800 Technology Center 2800